

## Week 1: Analysis Assignment

### Key Ideas of the Long-Range Technology Plan

**Submit by the end of Week 1.**

Name, grade level,  
and subject taught:

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Date: 1/14/09

#### *Overview*

In Texas, the Long-Range Plan for Technology, 2006-2020, establishes a shared vision of teaching and learning, and the processes for improved student achievement, through the application and integration of technology. In addition, the Technology Applications Texas Essential Knowledge and Skills (TEKS) define what students need to know and be able to do to function in an information-based economy. By the end of Grade 8, students are required to master the TEKS in four key areas: Foundations, Information Acquisition, Problem Solving, and Communication.

In this week's School-Based Analysis assignment, you will summarize the key ideas of the Long-Range Plan and the Technology Applications standards. You will also evaluate and reflect on your own requisite knowledge for implementation of the TEKS at your campus.

#### *Performance Outcomes*

- Analyze your current information literacy and technology skills.
- Set up e-communication accounts to use throughout the course.

## Rubric

Use this rubric to guide your work on the School-Based Analysis.

Tasks ê	Accomplished 10 The evidence suggests that this work is a "habit of mind." The educator is ready to mentor others in this area.	Proficient 8 The evidence suggests that performance on this work matches that of a strong educator.	Needs Improvement 6 The evidence does not yet make the case for the educator being proficient at this task.
<b>Week 1 Analysis: Key Ideas of the Long-Range Technology Plan</b>  Analyze your current information literacy and technology skills.  Set up e-communication accounts to use throughout the course.	Thoroughly analyzes current information literacy and technology skills.  Effectively sets up e-communication accounts.  Responses show relevance to content of course.  No errors in grammar, spelling, or punctuation.	Analyzes current information literacy and technology skills.  Sets up e-communication accounts.  Responses show some relevance to content of course.  Few errors in grammar, spelling, or punctuation.	Does not analyze current information literacy and technology skills  Does not set up e-communication accounts.  Responses do not show relevance to course content.  Responses lack clarity and depth and/or multiple errors in grammar, spelling, or punctuation.

## **Project 1 Analysis**

### **Part 1: Key Ideas of the Long-Range Plan for Technology**

The Texas Long-Range Plan for Technology, 2006-2020, is a comprehensive strategic plan divided into four domains: Teaching and Learning; Educator Preparation and Development; Leadership, Administration, and Instructional Support; and Infrastructure for Technology. In Part 1 of the Analysis assignment, you will summarize key ideas of the Long-Range Plan.

#### **Directions:**

- Access the Long-Range Plan by entering the following address into your web address bar: <http://www.tea.state.tx.us/technology/lrpt/LRPTCompleteDec06.pdf>
- Review the plan.
- Complete the table by summarizing each of the key ideas stated in the chart.

#### **Long-Range Plan Summaries**

<b>Long-Range Plan Section and Page Numbers</b>	<b>Summary of Key Ideas</b>
Vision 2020 (1-4)	Technology is here to stay and all must get involved and stay educated in how to use, teach with and teach others to use it effectively. Not just the teachers but society as a whole. The vision is to get up to speed with technology, be equipped to teach and utilize it, ensure the resources are available that e needed and include the community and larger population.
Defining the Need for Change (5-6)	The education of our students has a direct impact on our society's ability to compete in the world. We are going to fall behind other countries if we do not make changes and advance in the technological world.
Introducing the 21 <sup>st</sup> Century Learner (7)	Digital technology is, has always and always will be a part of the 21 <sup>st</sup> century learners' life. From now on technology will be a part of all descendents lives. Today's students must know how to use technology, interpret information, make decisions based on and monitor their computer activities.
Teacher Voices (12-14)	NetDay Speakup allowed a unique opportunity to collect information from teachers. There was a very good coverage of different subject areas and it appeared that teachers agree that technology makes education more interesting and they are open and ready to learn more!
Teaching and Learning (17-22)	Texas schools and teachers must progress into the new technology age with regard to learning options and teaching methods.

	Recommendations have been made for educators, institutions and community.
Educator Preparation and Development (23-28)	Teachers need to come into teaching prepared to use technology tools for education. Our students are past us and changes need to be made to ensure teachers are prepared.
Leadership, Administration, and Instructional Support (29-34)	More time, money and support needs to be allocated for leadership. Numerous recommendations are given to increase technology preparedness.
Infrastructure for Technology (35-40)	While Texas has made great strides, there are still improvements needed to improve the resources needed to equip the educators, students, leadership and community.
Study of Needs (41-42)	ETAC members have been instrumental in recommendations and providing a long range plan for technology achievement. The STAR chart being one of the methods to measure improvement. The ETAC committee identified five immediate issues that need to be addressed for Texas to regain its momentum that range from models and strategies to leadership and standards.

What new information did you acquire from your analysis of the Long-Range Plan? How can your new learning assist you as an instructional leader who is guiding technology use and integration at a campus?

I gained a better insight into the extensive amount of research that has been done already to improve the technology situation in Texas. I feel that there is encouragement that we can improve and make a difference in the use of technology knowing that the state understands the need and is in support of improvement.

### ***Project 1 Analysis***

#### ***Part 2: Technology Applications Standards TEKS***

Texas' Technology Applications TEKS curriculum is divided into four strands: Foundations, Information Acquisition, Solving Problems, and Communication.

In this part of the Analysis assignment, you will summarize (1) the four strands of the Technology Applications TEKS and (2) two objectives/skills required in each of the four domains for a selected grade cluster.

**Directions:**

- Access the Technology Applications TEKS by entering the following address in your web address bar: <http://www.tea.state.tx.us/rules/tac/ch126toc.html>
- Thoroughly review the Technology Applications TEKS for PK-12. (NOTE: There are standards for Pre-K students, but they are not divided into domains.)
- Complete the table. In the first column, describe each domain of the Technology Applications TEKS.
- Select a grade cluster—(K-2, 3-5, 6-8, 9-12)—and review the TEKS for that cluster.
- Complete the second and third columns of the table by summarizing two important objectives/skills required in each of the four domains for your selected grade cluster.

***Technology Applications TEKS Summaries***

<b>Grade Cluster: 6-8</b>		
<b>Technology Applications Strands Descriptions</b>	<b>Summary of TEKS #1</b>	<b>Summary of TEKS #2</b>
Foundations: Hardware, software, input and laws and use in society.	It is important for students to use data input skills for a task like microphones, digital cameras, etc. Technology equipment will continue to change and technology continues to be more and more necessary.	Students are to comply with the laws regarding the use of technology and know the proper etiquette and ethical requirements.  (E) demonstrate knowledge of the relevancy of technology to future careers, life-long learning, and daily living for individuals of all ages.
Information Acquisition: Resources and formats to acquire information and evaluating that information.	Students use appropriate Boolean search terms and strategies to locate information on LAN's, WAN's, in software, etc.	Students evaluate electronic information for validity and know how to identify what is accurate or not. They also can correctly site the sources of information.
Problem Solving: Appropriate productivity tools, research and evaluation to resolve issues.	Students participate in electronic communities and use collaboration to complete tasks. Groupware, productivity and technology integration are also used to create products for specific tasks.	Students set timelines and monitor their progress. They also evaluate information for what is true or not.
Communication: Appropriate digital formats, electronic delivery and using technology to evaluate.	The student knows how to deliver media in different formats, use interdisciplinary multimedia publications and publish electronically.	Students monitor their time and plan as needed, they plan what they need for the task, they select portfolio products and evaluate their work.

Summarize the Pre-K Technology Applications TEKS. How do the Pre-K TEKS lay the foundation for student performance in future grades?

<http://www.tea.state.tx.us/curriculum/early/prekguide.html>

Basic computer hardware, software and format usage that will allow them to build on their skills. Giving the Pre-K students comfort working with these basic skills will make them comfortable to try new skills.

The Technology Applications TEKS are designed as a dynamic, spiraling curriculum. Describe a series of TEKS in which students have multiple opportunities to master knowledge and/or skills.

Students begin typing skills and accuracy work in the Pre\_K grades. They continue to build by requiring higher productivity levels and speed.

## Project 1 Analysis

### Part 3: Assessing Your Requisite Technology Skills

The Texas Education Agency (TEA) provides many resources for educators to help them assess and increase the knowledge and skills for success in the information age. One of the tools is the Technology Applications Inventory, which is a self-assessment of requisite knowledge required for implementation of the Technology Applications TEKS.

In this part of the Analysis assignment, you will access the Technology Applications Inventory and assess your knowledge and skills in the four strands of Foundations, Information Acquisition, Solving Problems, and Communication.

#### Directions:

- Access the Technology Applications Inventory by entering the following address in your web address bar: <http://www.tea.state.tx.us/technology/techapp/assess/teksurv.pdf>
- Print out the inventory, and complete it.
- Complete the table by recording your number of yes and no responses.
- After completing the chart, answer the questions that follow.

Domain	Total Number of Questions	Number of Yes Responses	Number of No Responses
Foundations	18	14	4
Information Acquisition	10	8	2
Solving Problems	18	13	5
Communication	12	9	3

What did the inventory show as your greatest strength? Do you agree with the results? Explain.

Information acquired showed as my greatest strength. My results were really close together but I do agree with the strongest. I've always been good at getting the information I need, very determined!

What did the inventory show as your greatest weakness? Do you agree with the results? Explain.

Again, my results were close but solving problems was my lowest percentage. I don't really agree with this because I have always felt there is more than one way to obtain information or results and I have always been results oriented.

